

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost-Plus-Fixed-Fee		Page 1 Of 6	
2. Amendment/Modification No. 03		3. Effective Date 2004JUL29		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM WARREN AMSTA-AQ-ATAA PATRICIA ADAMS (586)574-8627 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: ADAMSP@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA VIRGINIA 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342		Code S2404A	
				SCD C PAS NONE ADP PT HQ0338			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) RADIAN INC. 5845 RICHMOND HWY ALEXANDRIA, VA. 22303-1865 TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. DAAE07-03-D-S008/0012	
				<input type="checkbox"/>		10B. Dated (See Item 13) 2003JUL18	
Code 2R341		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) NO CHANGE TO OBLIGATION DATA							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.			The Changes Set Forth In Item 14 Are Made In		
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input checked="" type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual agreement between both parti					
<input type="checkbox"/>		D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) JUDITH K. BUSH BUSHAJ@TACOM.ARMY.MIL (586)574-7041			
15B. Contractor/Offeror (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2004JUL29	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

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SECTION A - SUPPLEMENTAL INFORMATION

PROGRAM: OMNIBUS PROGRAM & ENGINEERING SUPPORT SERVICES

CONTRACT: DAAE07-03-D-S008/0012 MODIFICATION 03

PURPOSE: To modify Section C and replace the CDRL's at no additional cost.

PRIOR CONTRACT AMOUNT: \$1,160,911.76.

AMOUNT OF THIS ACTION: \$ 0.00

1. This bi-lateral modification provides for the following changes at no additional cost:
 - a. The period of performance remains unchanged through 21 Jan 2005.
 - b. Make changes to the SOW in Section - C. (See revised Section - C dated July 6, 2004).
 - c. Delete all reference to CDRL's A001 through A018 and replace with revised CDRL's A001 through A007.
 - d. Change COR from Joe Kogelmann to Craig Filus.
 - e. Replace Pecola Jackson with Dan Boris as FTR.
2. All other terms and conditions remain unchanged.

*** END OF NARRATIVE A 004 ***

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

STATEMENT OF WORK
FOR
M88A1 RECOVERY VEHICLE

Changes made by modification 02 are indicated by an asterisk (*)

C.1. General Scope of Task Order: Procure several tasks designed to reduce the Operation and Support costs of the M88A1 Recovery Vehicle. The period of performance is one year from start date.

* C.1.2. Background: The M88A1 (TACOM part no. 8736950) is a 56-ton tracked vehicle designed to recover disabled Army vehicles of equal, or lesser, weight. The contractor shall complete the engineering tasks described in the subparagraphs listed below. The contractor shall provide a schedule, within one month after modification award, for completing the tasks. The contractor shall maintain the TDP for the M88A1 in an up to date status for the duration of the contract. The TDP shall be updated through TACOM's ECP and ERR process. ECP's shall be complete in that they include supporting data where applicable, such as failure analyses, test data, and descriptions of trial installations and prototype builds. The contractor shall create new drawings and associated configuration data and revise existing drawings and associated configuration data as required by the tasks listed below and when requested by the government. Associated documents shall include packaging and transport configuration data.

All new drawings including redrawn existing drawings shall be sufficient to allow for TACOM procurement and shall meet the requirements of ASME Y14.100-2000 and ASME Y14.5-1994. Revision of an existing drawing shall be done in accordance with the drawing standards under which the drawing was originally prepared. The contractor shall not redraw any existing drawing unless directed to do so by TACOM. Packaging and transport configuration data shall meet Standard Practice for Military Packaging. The drawings and configuration data shall be in a format acceptable for loading into TACOM's ACMS system. The contractor shall maintain the M88A1 facility vehicle, incorporating the design enhancements described below as directed by the government.

In order to support the recapitalization and National Maintenance Program (NMP) effort that is currently underway at Anniston Army Depot (ANAD), several tasks designed to reduce the Operation and Support (O&S) costs of the vehicle are required.

C.2 - C.8 Requirements:

* C.2 Dust Detector: The contractor shall develop depot level MWO instructions to install the dust detection system that was designed into the M88A1 via ECP BML5012. The contractor shall conduct a trial installation of the dust detection system on an M88A1 vehicle, using the MWO instructions.

* C.2.1 The contractor shall deliver the MWO instructions and a report describing the trial installation, including problems encountered and solutions implemented to address them.

* C.3 Air Filter Relocation: The contractor shall conduct an analysis of BRI ECP BRIT6957, which integrates the Hatz APU into the M88A1, to determine its adequacy for installing Hatz APU's into M88A1's at Anniston Army Depot, and propose additional engineering changes if necessary. The contractor shall develop documentation, including an MWO, for installing the APU, and provide onsite engineering support to Anniston. The Government shall provide the contractor one (1) Auxiliary Power Unit (APU), NSN 6115-01-465-8922 and the transportation charges will be borne by the Government.

* C.3.1 The contractor shall deliver an ECP incorporating the design improvements the government agrees to implement, if any, and an ERR to include new and updated drawings and configuration data.

* C.4 Shrink Wrap Electrical Harnesses: The contractor shall conduct market research into methods for protecting M88A1 electrical wiring harness connections from the elements, and conduct an analysis into determining which M88A1 harnesses have leakage concerns. The contractor shall propose design solutions most suitable to the M88A1, and build prototypes of the connections

* C.4.1 The contractor shall deliver an ECP incorporating the design solutions the government agrees to implement, and an ERR to include new and updated drawings and configuration data.

* C.5 Six-Point Seat Belt: The contractor shall incorporate the M88A2 seat belt designs into the M88A1.

* C.5.1 The contractor shall deliver an ECP incorporating the M88A2 seat belt designs, and an ERR to include new and updated drawings and configuration data.

C.6 ONAN and HATZ Auxiliary Power Unit (APU) NMWRs: Develop NMWRs in accordance with MIL-STD 40051A/B for the ONAN and HATZ APUs. The NMWRs will incorporate applicable -34 Technical Manual information, and will be updated to reflect repairs to the NMP overhaul standard.

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C.6.1 Deliverable: The contractor shall deliver a Draft Equipment Publication (DEP) within 6 months of task order award. The contractor shall deliver a Final Draft Equipment Publication (FDEP) 1 month after the Government returns the DEP with comments. All deliverables shall be in accordance with Contract Data Requirements List (CDRL) A020.

C.6.2 Acceptance Criteria: All changes should be in accordance with C.6.1.

C. 7 Update National Maintenance Work Requirements (NMWRs) and Technical Manuals (TMs): This article applies to the following NMWRs:

Turbo supercharger NMWR 9-2990-205
Transmission NMWR 9-2520-215
Final Drives NMWR 9-2520-896
Fuel Metering Pump NMWR 9-2910-212
Starter NMWR 9-2920-232
Generator NMWR 9-2920-224
-1790 Engine NMWR 9-2815-220

Contractor can/shall make necessary arrangements with the Original Equipment Manufacturers (OEMs) to update the NMWR with technical improvements that have been incorporated into the existing tech data package for that component.

C.7.1 Action: Every NMWR review/update will require at a minimum the following actions:

- a. All call outs to government agencies and publications will be checked for the following, and all errors corrected:
 - 1. The call out refers to the correct and most current reference document, office Symbol, telephone number, email address etc.
 - 2. Page number references and figure / item numbers are correct.

b. Mandatory Replacement Parts (MRP) lists will require a 100% review that includes:

Coordination with the TACOM Heavy Combat CBU, M88A1
Team to incorporate lessons learned from hands on experience into the MRP.

2. Every part identified to the MRP will be cross-referenced against the current TACOM Provisioning Master Record (PMR) and applicable TDP. Any MRP items not in the PMR/TDP will be identified to TACOM immediately for resolution.

3. The format of each MRP will be:

Column 1 - Item Number
Column 2 - Part Number
Column 3 - CAGE
Column 4 - NSN
Column 5 - Nomenclature
Column 6 - Qty Per assembly

4. Every item included in the MRP will have an NSN listed unless:

- a. It is part of a kit, in which case the kit will be identified with CAGE, part number and NSN.
- b. Parts that are assembled or manufactured.
- c. Any other item identified to the MRP that does not have an NSN will be identified to TACOM immediately for resolution.
- c. Wear limits and tolerances will be carried over from the current NMWR documents.

C.7.1.1 Action: Component TM update.

The following TMs shall be updated IAW MIL SPEC 40051A/B and align the RPSTLs with the appropriate NMWRs:

Starter	TM 9-2920-232-34&P
Generator	TM 9-2920-224-34&P
Turbo Supercharger	TM 9-2990-205-34&P
Fuel Metering Pump	TM 9-2910-212-34&P
Transmission/Final Drives	TM 9-2520-215-34

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These TMs are referenced in the related NMWR and are used to repair mission critical items that determine availability of the end item (operational readiness).

C.7.2 Deliverable: The contractor shall deliver a Draft Equipment Publication (DEP) within 4 months of task order award. The contractor shall deliver a Final Draft Equipment Publication (FDEP) 1 month after the Government returns the DEP with comments. All deliverables shall be in accordance with Contract Data Requirements List (CDRL) A019 and A021.

C.7.3 Acceptance Criteria: All changes should be in accordance with C.7.2.

* C.8 Technical Support: The contractor shall provide 1,000 (level of effort hours) of general engineering support as requested by the government relating to the recapitalization program, field issues, depot issues, spare part support issues, etc.. The contractor shall perform engineering support analyses as required and provide recommendations to the government. The contractor shall deliver ECPs and ERRs as required including new and updated drawings and supporting configuration data.

* C.8.1 Examples of the engineering support which may be required include preparation of a competitive winch dipstick drawing, development of a HATZ APU field installation kit, development of a field retrofit kit for the dust detection system, general tolerance studies, space claims, component testing, drawing preparation, drawing revisions, etc.

C.9 Period of Performance: The starting date for the tasks described in this work directive shall be the date that the Procuring Contracting Officer awards the task order. The ending date for the task shall be within one year from the starting date. During this time frame, Quarterly Integrated Logistics Support Management Team (ILSMT) meetings will be held to evaluate the performance of this effort while it is on going.

C.10 Travel: Travel may be required to the following locations: Anniston Army Depot (ANAD); Fort Knox, KY; Fort Riley, KS; Fort Hood, TX; Fort Stewart, GA; Fort Carson, CO; Korea; Germany. There shall be no more than 4 trips during the contract period and each trip expected to be no more than 2 weeks in duration. If additional travel is required, it will be supplied by a mod to the contract. All travel will be coordinated with the COR in advance. A trip report may be required.

* C. 11 Contracting Officer Representative (COR)

The COR for this task will be Craig Filus, of the U.S. ARMY TACOM's Heavy Combat Vehicles Team. Phone: (586) 574-8170 , E-mail: FilusC@tacom.army.mil <mailto:FilusC@tacom.army.mil>

Functional Technical Representative (FTR) for the NMWR work efforts are Dan Boris within the Heavy Combat CBU.

* C.12 Contract Data Requirements List (CDRL)

Delete all reference to CDRL's A001 through A018 and replace with revised CDRL's A001 through A007.

*** END OF NARRATIVE C 002 ***

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SECTION J - LIST OF ATTACHMENTS

List of Addenda	Title	Date	Number of Pages	Transmitted By
Attachment 001	CONTRACT DATA REQUIREMENTS LIST	14-MAY-2004	005	EMAIL